

CLAIMS

What is claimed is:

1. A carbide component for a boring tool, said carbide component comprising:
 - a body portion comprising carbide, said body portion having a first end adapted for being seated in said boring tool and a second, working, end;
 - 5 wherein said second end of said compact has an outer layer which is attached to said body without a transition layer or adherent material and which contains an ultra-hard material.
2. The carbide component of Claim 1, wherein said carbide component has a binder content of less than 13%.
3. The carbide component of Claim 1, wherein said carbide component has a binder content of less than 11%.
4. The carbide component of Claim 1, wherein said carbide component is a hemispherical insert.
5. The carbide component of Claim 1, wherein said ultra-hard material is bare diamonds.

0923249-080301
105080-6422660

6. A drilling tool, comprising:
 - a first end adapted for attachment to a drill string;
 - a second end, opposite said first end, containing at least one carbide component, said carbide component comprising
 - 5 a body portion comprising carbide, said body portion having a first end adapted for being seated in said drilling tool and a second, working, end;
 - wherein said second end of said carbide component has an outer layer which is attached to said body without a transition
 - 10 layer or adherent material and which contains an ultra-hard material.
7. The bit of Claim 6, wherein said carbide component has a binder content of less than 13%.
8. The bit of Claim 6, wherein said carbide component has a binder content of less than 11%.
9. The bit of Claim 6, wherein said carbide component is a hemispherical insert.
10. The bit of Claim 6, wherein said ultra-hard material is bare diamonds.

